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## SEARCH REQUEST FORM

5D27

Examiner # (Mandatory): 71801 Requester's Full Name: James DudekArt Unit 2871 Location (Bldg/Room#): CP4-05D27 Phone (circle 305 306 308) 308-4093

Serial Number: \_\_\_\_\_ Results Format Preferred (circle): PAPER DISK E-MAIL

Title of Invention \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Date: \_\_\_\_\_

Keywords (include any known synonyms registry numbers, explanation of initialisms):

5,600,462

## Search Topic:

Please write detailed statement of the search topic, and the concept of the invention. Describe as specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples of relevant citations, authors, etc., if known. You may include a copy of the abstract and the broadcast or most relevant claim(s).

— no reported litigation —

## STAFF USE ONLY

Searcher: ES

Searcher Phone #: \_\_\_\_\_

Searcher Location: SILC

Date Picked Up: \_\_\_\_\_

Date Completed: 6-30-99Clerical Prep Time: 2Terminal Time: 8Number of Databases: 7

## Type of Search

\_\_\_\_\_ N.A. Sequence

\_\_\_\_\_ A.A. Sequence

\_\_\_\_\_ Structure (#)

\_\_\_\_\_ Bibliographic

☒ Litigation I

\_\_\_\_\_ Fulltext

\_\_\_\_\_ Procurement

\_\_\_\_\_ Other

## Vendors (include cost where applicable)

\_\_\_\_\_ STN

☒ Questel/Orbit☒ Lexis/Nexis

\_\_\_\_\_ WWW/Internet

\_\_\_\_\_ In-house sequence systems (list)

☒ Dialog

\_\_\_\_\_ Dr. Link

\_\_\_\_\_ Westlaw

\_\_\_\_\_ Other (specify)

BEST AVAILABLE

PATNO IS 5600462

*Leys search*

DATE: JUNE 30, 1999  
LIBRARY: PATENT  
FILE: ALL

Your search request is:  
PATNO IS 5600462

Number of PATENTS found with your search request through:  
LEVEL 1... 1

Your search request has found 1 PATENT through Level 1.  
To DISPLAY this PATENT press either the KWIC, FULL, CITE or SEGMENTS key.  
To MODIFY your search request, press the M key (for MODIFY) and then the ENTER key.

For further explanation, press the H key (for HELP) and then the ENTER key.

LEVEL 1 - 1 PATENT

1. 5,600,462, Feb. 4, 1997, Optical film and liquid crystal display device using the film, Suzuki, Masaru, Yamato, Japan Hanzawa, Fumihisa, Sagamihara, Japan Mogi, Manabu, Yamato, Japan, International Business Machines Corporation, Armonk, New York (02)

CORE TERMS: film, optical, liquid crystal, display, prism, panel, luminance, polarizer, diffuse, transmission...

LEVEL 1 - 1 OF 1 PATENT

5,600,462

<=2> GET 1st DRAWING SHEET OF 8

Feb. 4, 1997

Optical film and liquid crystal display device using the  
film

REISSUE: Reissue Application filed Feb. 2, 1999 (O.G. Apr. 20, 1999) Ex. Gp.:  
2822; Re. S.N. 09/241,989

CERTCORR: Dec. 16, 1997 a Certificate of Correction was issued for this patent

CORE TERMS: film, optical, liquid crystal, display, prism, panel, luminance,  
polarizer, diffuse, transmission...

5,600,462 OR 5600462

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

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nbr us5600462

SELECT LIST DEFAULT:

SELECT#	RESULTS	TERM
1	1	US5600460/PN
2	1	US5600461/PN
3	1	US5600462/PN
4	1	US5600463/PN
5	1	US5600464/PN

UP N OR DOWN N?

sel 3

SS 1 RESULT (1)

SS 2?

prt full ind

-1- (LEGSTAT)

PATENT NUMBER

DOCUMENT TYPE

ACTION

US 5600462 [US5600462]

US-P

93.09.14 US/AE-A

APPLICATION DATA (PATENT)

{US 121657/93 [93US-121657] 93.09.14}

ACTION

93.12.15 US/AS02

ASSIGNMENT OF ASSIGNOR'S INTEREST

IBM CORPORATION OLD ORCHARD ROAD ARMONK, NEW YORK

10504 \* SUZUKI, MASARU : 19931201; HANZAWA, FUMIHISA

: 19931112; MOGI, MANABU : 19931112

ACTION

97.02.04 US/A

PATENT

ACTION

97.12.16 US/CC

CERTIFICATE OF CORRECTION

ACTION

99.04.20 US/RF

REISSUE APPLICATION FILED

19990202

UPDATE

9917

SS 2?  
file litalert

ELAPSED TIME ON LEGSTAT: 0.02 HRS.

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CURRENT THRU WEEKLY UPDATE (9925)

SS 1?  
nbr us5600462

SELECT LIST DEFAULT:

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6	2	US5599794/PN
7	1	US5600087/PN
8	1	US5600540/PN
9	1	US5600754/PN
10	1	US5600944/PN

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11	1	US5600445/PN
12	1	US5600453/PN
13	2	US5600462/PN
14	1	US5600481/PN
15	1	US5600488/PN

UP N OR DOWN N?

sel 13

SS 1 RESULT (2)

SS 2?  
prt full ind 1-2

*no citations for 1462 in LITALERT*



-1- (PAST)

ACCESSION NUMBER	9916-001182
PATENT NUMBER	US5600462
DOCUMENT TYPE	A (UTILITY)
OFFICIAL GAZETTE	99.04.20
CODE	REA
ACTION	REISSUE APPLICATION FILED
SUBJECT HEADING	REISSUE APPLICATION FILED

-2- (PAST)

ACCESSION NUMBER	9750-000030
PATENT NUMBER	US5600462
DOCUMENT TYPE	A (UTILITY)
OFFICIAL GAZETTE	97.12.16
CODE	COR
ACTION	CERTIFICATE OF CORRECTION
SUBJECT HEADING	CERTIFICATE OF CORRECTION

File 345:INPADOC/FAM.& LEGAL STAT 1999/UD=9924  
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Set	Items	Description
S1	1	PN=US 5600462

1/9/1

DIALOG(R)File 345:INPADOC/FAM.& LEGAL STAT  
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11673391

Basic Patent (No,Kind,Date): CA 2105053 AA 940317 <No. of Patents: 008>

#### PATENT FAMILY:

##### AUSTRIA (AT)

Patent (No,Kind,Date): AT 163772 E 980315

HINTERBELEUCHTUNGSVORRICHTUNG FUER EINE FLUESSIGKRISTALL-ANZEIGEVORRICHTUNG (German)

Patent Assignee: IBM (US)

Author (Inventor): SUZUKI MASARU (JP); HANZAWA FUMIHISA (JP); MOGI MANABU (JP)

Priority (No,Kind,Date): JP 92246225 A 920916

Applic (No,Kind,Date): EP 93306536 A 930818

Addnl Info: 00588504 980304

IPC: \* G02F-001/1335; F21V-008/00; F21V-005/02; G02B-005/02

Derwent WPI Acc No: \* G 94-094087

Language of Document: German

##### AUSTRIA (AT)

Legal Status (No,Type,Date,Code,Text):

AT 163772 R 980315 AT REF CORRESPONDS TO EP-PATENT  
(ENTSPRICHT EP-PATENT)

EP 588504 P 980304

AT 163772 R 980915 AT RER CEASED AS TO PARAGRAPH 5 LIT. 3  
LAW INTRODUCING PATENT TREATIES (ERLOSCHEN  
GEM. PAR. 5 ABS. 3 PATVEG.)

##### CANADA (CA)

Patent (No,Kind,Date): CA 2105053 AA 940317

OPTICAL FILM AND A LIQUID CRYSTAL DISPLAY DEVICE USING THE FILM  
(English; French)

Patent Assignee: IBM (JP)

Author (Inventor): SUZUKI MASARU (JP); HANZAWA FUMIHISA (JP); MOGI MANABU (JP)

Priority (No,Kind,Date): JP 92246225 A 920916

Applic (No,Kind,Date): CA 2105053 A 930827

IPC: \* G02B-005/02; G02B-005/124; G02F-001/133

Language of Document: English

##### GERMANY (DE)

Patent (No,Kind,Date): DE 69317184 C0 980409

HINTERBELEUCHTUNGSVORRICHTUNG FUER EINE  
FLUESSIGKRISTALL-ANZEIGEVORRICHTUNG (German)

Patent Assignee: IBM (US)

Author (Inventor): SUZUKI MASARU (JP); HANZAWA FUMIHISA (JP); MOGI MANABU (JP)

Priority (No,Kind,Date): JP 92246225 A 920916

Applic (No,Kind,Date): DE 69317184 A 930818

IPC: \* G02F-001/1335; F21V-008/00; F21V-005/02; G02B-005/02

Derwent WPI Acc No: \* G 94-094087

Language of Document: German  
Patent (No,Kind,Date): DE 69317184 T2 981029  
HINTERBELEUCHTUNGSVORRICHTUNG FUER EINE  
FLUESSIGKRISTALL-ANZEIGEVORRICHTUNG (German)  
Patent Assignee: IBM (US)  
Author (Inventor): SUZUKI MASARU (JP); HANZAWA FUMIHISA (JP); MOGI  
MANABU (JP)  
Priority (No,Kind,Date): JP 92246225 A 920916  
Applic (No,Kind,Date): DE 69317184 A 930818  
IPC: \* G02F-001/1335; F21V-008/00; F21V-005/02; G02B-005/02  
Derwent WPI Acc No: \* G 94-094087  
Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):

DE 69317184	P	980409	DE REF	CORRESPONDS TO (ENTSPRICHT)
			EP 588504	P 980409
DE 69317184	P	981029	DE 8373	TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST EINGEGANGEN UND VEROEFFENTLICHT WORDEN)
DE 69317184	P	990311	DE 8363	OPPOSITION AGAINST THE PATENT (EINSPRUCH GEGEN DAS PATENT ERHOBEN)

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 588504 A1 940323

A BACKLIGHT DEVICE FOR A LIQUID CRYSTAL DISPLAY DEVICE (English; French  
; German)

Patent Assignee: IBM (US)

Author (Inventor): SUZUKI MASARU (JP); HANZAWA FUMIHISA (JP); MOGI  
MANABU (JP)

Priority (No,Kind,Date): JP 92246225 A 920916

Applic (No,Kind,Date): EP 93306536 A 930818

Designated States: (National) AT; BE; CH; DE; ES; FR; GB; IT; LI; NL;  
SE

IPC: \* G02F-001/1335; F21V-008/00; F21V-005/02; G02B-005/02

Language of Document: English

Patent (No,Kind,Date): EP 588504 B1 980304

A BACKLIGHT DEVICE FOR A LIQUID CRYSTAL DISPLAY DEVICE (English; French  
; German)

Patent Assignee: IBM (US)

Author (Inventor): SUZUKI MASARU (JP); HANZAWA FUMIHISA (JP); MOGI  
MANABU (JP)

Priority (No,Kind,Date): JP 92246225 A 920916

Applic (No,Kind,Date): EP 93306536 A 930818

Designated States: (National) AT; BE; CH; DE; ES; FR; GB; IT; LI; NL;  
SE

IPC: \* G02F-001/1335; F21V-008/00; F21V-005/02; G02B-005/02

Derwent WPI Acc No: \* G 94-094087

Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 588504	P	920916	EP AA	PRIORITY (PATENT APPLICATION)
			(PRIORITAET (PATENTANMELDUNG))	
			JP 92246225	A 920916
EP 588504	P	930818	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 93306536	A 930818

EP 588504	P	940323	EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN) AT BE CH DE ES FR GB IT LI NL SE
EP 588504	P	940323	EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 588504	P	940914	EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 940718
EP 588504	P	960703	EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 960521
EP 588504	P	980304	EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) AT BE CH DE ES FR GB IT LI NL SE
EP 588504	P	980304	EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)
EP 588504	P	980304	EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 163772 R 980315
EP 588504	P	980313	CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 588504	P	980409	EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69317184 P 980409
EP 588504	P	980415	CH NV/REG NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) CARL O. BARTH C/O IBM CORPORATION ZURICH INTELLECTUAL PROPERTY
EP 588504	P	980428	EP ITF IT: TRANSLATION FOR A EP PATENT FILED (IT: DEPOSITO TRADUZIONE DI BREVETTO EUROPEO) BRAVI ALFREDO DR.
EP 588504	P	980710	EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 588504	P	980915	CH PL/REG PATENT CEASED (LOESCHUNG/RADIATION/RADIAZION)
EP 588504	P	980930	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981021	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981021	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981104	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981104	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981104	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981104	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981104	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981202	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981202	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981202	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)

EP 588504	P	981202	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981202	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	990127	EP 26	OPPOSITION FILED (EINSPRUCH EINGELEGT)
			981204 MANNESMANN VDO AG	
EP 588504	P	990401	EP NLR1	NL: OPPOSITION HAS BEEN FILED WITH THE EPO (NL: EUROPESE OCTROOIEN, WAARTEGEN OPPOSITIE IS INGESTELD) MANNESMANN VDO AG

#### JAPAN (JP)

Patent (No,Kind,Date): JP 6109925 A2 940422  
 OPTICAL FILM AND LIQUID CRYSTAL DISPLAY DEVICE USING ABOVE DESCRIBED  
 OPTICAL FILM (English)  
 Patent Assignee: IBM  
 Author (Inventor): HANZAWA FUMIHISA; MOGI MANABU; SUZUKI MASARU  
 Priority (No,Kind,Date): JP 92246225 A 920916  
 Applic (No,Kind,Date): JP 92246225 A 920916  
 IPC: \* G02B-006/00; G02B-005/02; G02F-001/1335  
 Language of Document: Japanese

#### UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5600462 A 970204  
 OPTICAL FILM AND LIQUID CRYSTAL DISPLAY DEVICE USING THE FILM (English)  
 Patent Assignee: IBM (US)  
 Author (Inventor): SUZUKI MASARU (JP); HANZAWA FUMIHISA (JP); MOGI  
 MANABU (JP)  
 Priority (No,Kind,Date): JP 92246225 A 920916  
 Applic (No,Kind,Date): US 121657 A 930914  
 National Class: \* 349112000; 349062000  
 IPC: \* G02F-001/1343  
 Derwent WPI Acc No: \* G 94-094087  
 Language of Document: English

#### UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):  

US 5600462	P	920916	US AA	PRIORITY (PATENT)
			JP 92246225	A 920916
US 5600462	P	930914	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 121657	A 930914
US 5600462	P	931215	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST
			IBM CORPORATION OLD ORCHARD ROAD ARMONK, NEW YORK 10504 ; SUZUKI, MASARU : 19931201; HANZAWA, FUMIHISA : 19931112; MOGI, MANABU : 19931112	
US 5600462	P	970204	US A	PATENT
US 5600462	P	971216	US CC	CERTIFICATE OF CORRECTION
US 5600462	P	990420	US RF	REISSUE APPLICATION FILED (REISSUE APPL. FILED)
			19990202	